IDS SCORECARD: CREATE IDS | TOOL:

| 24.09.2025 |

General IDS & Specifications

Export to IDS	IDS-Audit tool
name	Cardinality of applicability
IFC2x3	required
IFC4	optional
IFC4X3 _ADD2	prohibited
identifier	bSDD connection
description	instructions

Applicability

Entity	Multiple Entities	Predefined Type	Pattern	
Attribute	Pattern	Length		
Classification	System	Code	Pattern	
Property	Restriction	Pattern	Bounds	
Material	Name	Restriction	Pattern	
PartOf	IFCREL AGGRE GATES	IFCREL ASSIGNS TOGROUP	IFCREL CONTAINED INSPATIAL STRUCTURE	
Pattern	IFCREL NESTS	IFCRELVOIDSELEMENT IFCRELFILLSELEMENT		

Requirement

Entity	Multiple Entities	Predefined Type	Pattern	
Attribute	Length	Pattern	Cardinality	uri
Classification	System	Code	Pattern	Cardinality
Property	Restriction	Pattern	Bounds	Cardinality
Material	Pattern	Cardinality	uri	
PartOf	IFCREL AGGRE GATES	IFCREL ASSIGNS TOGROUP	IFCREL CONTAINED INSPATIAL STRUCTURE	Cardinality
Pattern	IFCREL NESTS	IFCRELVOIDSELEMENT IFCRELFILLSELEMENT		

Instructions

IDS SCORECARD: VALIDATE IDS │ TOOL:

│ **24.09.2025** │

General IDS & Specifications

| Import IDS | (error message or fix) |

name	Cardinality of applicability
IFC2x3	required
IFC4	optional
IFC4X3_ADD2	prohibited

| (identifier) | (bSDD connection) |
| (description) | (instructions) |

Applicability

| Entity | Multiple Entities | Predefined Type | Pattern |

| Attribute | Pattern | Length |

| Classification | System | Code | Pattern |

| Property | Restriction | Pattern | Bounds |

| Material | Name | Restriction | Pattern |

| PartOf | IFCREL AGGREGATES | IFCREL ASSIGNSTOGROUP | IFCREL CONTAINED INSPATIAL STRUCTURE |
| Pattern | IFCREL NESTS | IFCRELVOIDSELEMENT IFCRELFILLSELEMENT |

Requirement

(Instructions)

| Entity | Multiple Entities | Predefined Type | Pattern |

| Attribute | Length | Pattern | Cardinality | (uri) |

| Classification | System | Code | Pattern | Cardinality |

| Property | Restriction | Bounds | Pattern | Cardinality |

| Material | Pattern | Cardinality | (uri) |

| PartOf | IFCREL AGGREGATES | IFCREL ASSIGNSTOGROUP | IFCREL CONTAINED INSPATIAL STRUCTURE | Cardinality |
| Pattern | IFCREL NESTS | IFCRELVOIDSELEMENT IFCRELFILLSELEMENT |

Use this card to check one IDS tool.

If the IDS can be exported run the IDS-audit-tool.
https://www.xbim.it/ids

Name and IFC version applies to the specification.

Dotted circles are optional features.
They count as a tie-breaker to determine a winner.

Cardinality:
- required (Must have / minOccurs 1, maxOccurs unbounded)
- optional (May have / minOccurs 0, maxOccurs unbounded)
- prohibited (May not have / minOccurs 0, maxOccurs 0)
- cardinality is set for the complete applicability.
- cardinality for requirements are set seperatly.

Pattern:
Regular Expressions can be used.

Restriction:
a list of values can be set.
(single value is always possible)

Length:
the number of characters can be set.
Either a fixed amount or a minLength / Maxlength.

Bounds:
Numbers can be <, <=, >, >= than a
specified value or within a specified range.

Scan the QR-code or go to:
https://github.com/MennoMekes/IDS-Bingo
to download:
- This scorecard
- IFC file
- IDS files complete
- IDS files containing only one specification